WEST Search History

DATE: Thursday, May 18, 2006

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT,EPAB; PLUR=YES; OP=ADJ	
☐	L9	5340727.pn.	1
☐	L8	L7 and l5	4
☐	L7	L6 and l1	4
☐	L6	$CLCA$	444
☐	L5	L4 and l1	25
☐	L4	L3 or l2	28334
☐	L3	(530/328,350)![CCLS]	21302
☐	L2	(514/12)![CCLS]	9655
☐	L1	(pauli or elble or gruber).in.	3627

END OF SEARCH HISTORY

Connecting via Winsock to STN

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

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NEWS 4   FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
                  visualization results
NEWS 5   FEB 22 The IPC thesaurus added to additional patent databases on STN
NEWS 6   FEB 22 Updates in EPFULL; IPC 8 enhancements added
NEWS 7   FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 8   MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 9   MAR 08 X.25 communication option no longer available after June 2006
NEWS 10   MAR 22 EMBASE is now updated on a daily basis
NEWS 11   APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 12   APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
                  thesaurus added in PCTFULL
NEWS 13   APR 04 STN AnaVist $500 visualization usage credit offered
NEWS 14   APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 15   APR 12 Improved structure highlighting in FQHIT and QHIT display
                  in MARPAT
NEWS 16   APR 12 Derwent World Patents Index to be reloaded and enhanced during
                  second quarter; strategies may be affected
NEWS 17   MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 18   MAY 11 KOREAPAT updates resume

NEWS EXPRESS   FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:53:07 ON 16 MAY 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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DICTIONARY FILE UPDATES: 15 MAY 2006   HIGHEST RN 884382-45-0

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****
*   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now   *
* available and contains the CA role and document type information. *
*   *
****

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REGISTRY includes numerically searchable data for experimental and
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=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.44	0.65

=> s 245058-16-6
   REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L2   2 L1

=> d ibib 1-2

L2   ANSWER 1 OF 2   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:742121 CAPLUS
DOCUMENT NUMBER: 133:308983
TITLE: Compounds and methods for therapy and diagnosis of
                           lung cancer
INVENTOR(S):   Wang, Tongtong; Fan, Liqun
PATENT ASSIGNEE(S):   Corixa Corporation, USA
SOURCE: PCT Int. Appl., 261 pp.
                           CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 22
PATENT INFORMATION:

        PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
        ----------------   ----   --------   --------------------   --------
        WO 2000061612   A2   20001019   WO 2000-US8896   20000403
        WO 2000061612   A3   20010426
            W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
                 CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
                 ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
                 LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
                 SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
            RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
                 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,

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                CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
        US 6821518          B1    20041123   US 1999-285479          19990402
        US 2003119763       A1    20030626   US 1999-466396          19991217
        US 6696247          B2    20040224
        US 6706262          B1    20040316   US 1999-476496          19991230
        US 6482597          B1    20021119   US 2000-480884          20000110
        CA 2369578          AA    20001019   CA 2000-2369578         20000403
        EP 1169347          A2    20020109   EP 2000-920102          20000403
             R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
                IE, SI, LT, LV, FI, RO
        BR 2000009505       A     20020611   BR 2000-9505            20000403
        JP 2002543769       T2    20021224   JP 2000-611554          20000403
        NZ 514818           A     20040430   NZ 2000-514818          20000403
PRIORITY APPLN. INFO.:                       US 1999-285479      A  19990402
                                             US 1999-466396      A  19991217
                                             US 1999-476496      A  19991230
                                             US 2000-480884      A  20000110
                                             US 2000-510376      A  20000222
                                             US 1998-40802       B2 19980318
                                             US 1998-123912      A2 19980727
                                             US 1998-221107      A2 19981222
                                             WO 1999-US5798      A1 19990317
                                             WO 2000-US8896      W  20000403


L2    ANSWER 2 OF 2   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:          1999:614132   CAPLUS
DOCUMENT NUMBER:           131:253353
TITLE:                     Tumor-specific polypeptide-encoding nucleic acids and
                           methods for therapy and diagnosis of lung cancer
INVENTOR(S):               Reed, Steven G.; Wang, Tongtong
PATENT ASSIGNEE(S):        Corixa Corporation, USA
SOURCE:                    PCT Int. Appl., 148 pp.
                           CODEN: PIXXD2
DOCUMENT TYPE:             Patent
LANGUAGE:                  English
FAMILY ACC. NUM. COUNT:    22
PATENT INFORMATION:

        PATENT NO.           KIND    DATE      APPLICATION NO.          DATE
        ----------           ----    --------  --------------------     --------
        WO 9947674           A2     19990923   WO 1999-US5798          19990317
        WO 9947674           A3     20000120
             W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
                DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
                KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
                NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
                UA, UG, UZ, VN, YU, ZA, ZW
             RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
                ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
                CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
        US 6210883           B1     20010403   US 1998-40984           19980318
        US 6312695           B1     20011106   US 1998-123912          19980727
        CA 2323093           AA     19990923   CA 1999-2323093         19990317
        AU 9930949           A1     19991011   AU 1999-30949           19990317
        BR 9908823           A      20001121   BR 1999-8823            19990317
        EP 1064372           A2     20010103   EP 1999-912607          19990317
             R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
                IE, FI
        JP 2002533056        T2     20021008   JP 2000-536857          19990317
        NZ 506699            A      20031219   NZ 1999-506699          19990317
        US 6821518           B1     20041123   US 1999-285479          19990402
        US 2003119763        A1     20030626   US 1999-466396          19991217
        US 6696247           B2     20040224
        US 6706262           B1     20040316   US 1999-476496          19991230
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            US 6482597          B1      20021119    US 2000-480884          20000110
            US 6518256          B1      20030211    US 2000-542615          20000404
            US 6531315          B1      20030311    US 2000-606421          20000628
            NO 2000004631       A       20001115    NO 2000-4631            20000915
PRIORITY APPLN. INFO.:                              US 1998-40802       A   19980318
                                                    US 1998-40984       A   19980318
                                                    US 1998-123912      A   19980727
                                                    US 1998-123933      A   19980727
                                                    US 1998-221107      A2  19981222
                                                    WO 1999-US5798      W   19990317
                                                    US 1999-285479      A2  19990402
                                                    US 1999-466396      A2  19991217
                                                    US 1999-476496      A2  19991230
                                                    US 2000-480884      A2  20000110
                                                    US 2000-510376      A2  20000222
                                                    US 2000-542615      A2  20000404


=> d kwic

L2    ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
IT    112024-77-8, Humoral hypercalcemic factor (human clone BRF.61 precursor)
      160478-25-1   192333-86-1, Protein (human gene koc reduced)   211485-89-1,
      Protein p40 (human gene p40)    211486-09-8, Protein p51B (human p53-like
      isoform)   211486-10-1, Protein p51a (human p53-like isoform)
      213260-82-3, Protein (human gene p73H)   220139-16-2, Protein (human clone
      149663 gene KET)   223119-37-7   223119-44-6   244614-96-8   244776-64-5
      244776-67-8   244776-68-9   244776-71-4   244776-73-6 245058-16-6
      245058-17-7   245058-19-9   247918-44-1, Connexin 30 (human gene GJB6)
      301639-32-7, Protein (human clone L531S long isoform)   301639-66-7,
      Protein (human clone L519S-extended)   301640-85-7, Protein (human clone
      L514S)   301641-86-1, Protein (human clone L523S-347)   301825-73-0
      RL: BSU (Biological study, unclassified); PRP (Properties); THU
      (Therapeutic use); BIOL (Biological study); USES (Uses)
          (amino acid sequence; lung tumor proteins and DNA encoding them for
          therapy and diagnosis of lung cancer)


=> FIL REGISTRY

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY        SESSION
FULL ESTIMATED COST                                   5.02          6.57

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=> S 245058-16-6/RN

L3   1 245058-16-6/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L3 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.36 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L3   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN   **245058-16-6** REGISTRY
CN   Tumor-specific antigen L762P (human isoform 1) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN   169: PN: WO0061612 SEQID: 169 claimed protein
CN   PN: WO9947674 SEQID: 169 claimed protein
CN   Protein (human clone L762P-1)
CN   Protein (human lung neoplasm clone L762P-1)
FS   PROTEIN SEQUENCE
SQL   592

PATENT ANNOTATIONS (PNTE):
Sequence |Patent
Source |Reference
=========+=============
Not Given|WO2000061612
         |claimed
         |SEQID 169
---------+------------
         |WO9947674
         |claimed
         |SEQID 169

SEQ   1 MTQRSIAGPI CNLKFVTLLV ALSSELPFLG AGVQLQDNGY NGLLIAINPQ
          51 VPENQNLISN IKEMITEASF YLFNATKRRV FFRNIKILIP ATWKANNNSK
         101 IKQESYEKAN VIVTDWYGAH GDDPYTLQYR GCGKEGKYIH FTPNFLLNDN
         151 LTAGYGSRGR VFVHEWAHLR WGVFDEYNND KPFYINGQNQ IKVTRCSSDI
         201 TGIFVCEKGP CPQENCIISK LFKEGCTFIY NSTQNATASI MFMQSLSSVV
         251 EFCNASTHNQ EAPNLQNQMC SLRSAWDVIT DSADFHHSFP MNGTELPPPP
         301 TFSLVEAGDK VVCLVLDVSS KMAEADRLLQ LQQAAEFYLM QIVEIHTFVG
         351 IASFDSKGEI RAQLHQINSN DDRKLLVSYL PTTVSAKTDI SICSGLKKGF

```
    401 EVVEKLNGKA YGSVMILVTS GDDKLLGNCL PTVLSSGSTI HSIALGSSAA
    451 PNLEELSRLT GGLKFFVPDI SNSNSMIDAF SRISSGTGDI FQQHIQLEST
    501 GENVKPHHQL KNTVTVDNTV GNDTMFLVTW QASGPPEIIL FDPDGRKYYT
    551 NNFITNLTFR TASLWIPGTA KPGHWTYTLM CFHHAKLLTW KL

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
MF    Unspecified
CI    MAN
SR    CA
LC    STN Files:    CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type:  Patent
RL.P  Roles from patents:  BIOL (Biological study); OCCU (Occurrence); PRP
      (Properties); USES (Uses)
                2 REFERENCES IN FILE CA (1907 TO DATE)
                2 REFERENCES IN FILE CAPLUS (1907 TO DATE)


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NOTICE SET TO OFF  FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=>

---Logging off of STN---



=>
Executing the logoff script...


=> LOG Y

COST IN U.S. DOLLARS                          SINCE FILE       TOTAL
                                                 ENTRY       SESSION
FULL ESTIMATED COST                               8.12         14.69

STN INTERNATIONAL LOGOFF AT 10:56:47 ON 16 MAY 2006



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PASSWORD:
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  NEWS  2         "Ask CAS" for self-help around the clock
  NEWS  3  JAN 17 Pre-1988 INPI data added to MARPAT
  NEWS  4  FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
                  visualization results
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NEWS  6  FEB 22  Updates in EPFULL; IPC 8 enhancements added
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NEWS 12  APR 03  Bibliographic data updates resume; new IPC 8 fields and IPC
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                AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
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NEWS IPC8       For general information regarding STN implementation of IPC 8
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  Take survey: http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW

  Thank you in advance for your participation.

```
*  *  *  *  *  *  *  *  *  *  *  *  *  STN  Columbus  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *
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FILE 'HOME' ENTERED AT 11:28:01 ON 16 MAY 2006

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=> file reg
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                                 0.21          0.21
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=> s F[SB]R[ILV][ST]S/SQSP
L1   678 F[SB]R[ILV][ST]S/SQSP

=> s l1 and SQL=<12
       900289 SQL=<12
L2   6 L1 AND SQL=<12

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
FULL ESTIMATED COST   34.97   35.18

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FILE COVERS 1907 - 16 May 2006   VOL 144 ISS 21
FILE LAST UPDATED: 15 May 2006   (20060515/ED)

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```
=> s l2
L3            1 L2

=> d ibib
```

L3   ANSWER 1 OF 1   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1996 CAPLUS
DOCUMENT NUMBER: 142:87715
TITLE: Protein and cDNA sequences of a novel human
                           calcium-activated chloride channel protein CLCA2 and
                           their use in anti-metastatic therapy
INVENTOR(S):   Pauli, Bendicht U.; Elble, Randolph C.; Gruber, Achim
                           D.
PATENT ASSIGNEE(S):   USA
SOURCE: U.S. Pat. Appl. Publ., 85 pp., Cont.-in-part of U.S.
                           Ser. No. 55,412.
                           CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004265859	A1	20041230	US 2004-779949	20040217
US 6309857	B1	20011030	US 1998-193562	19981117
US 2003059861	A1	20030327	US 2001-55412	20011029
US 6692939	B2	20040217		

PRIORITY APPLN. INFO.:

			APPLICATION NO.		DATE
			US 1997-65922P	P	19971117
			US 1998-193562	A3	19981117
			US 2001-55412	A2	20011029
			US 1998-193561	A3	19981117

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=> file reg
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.52	37.70

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        ****
        *   *
        * The CA roles and document type information have been removed from *
        * the IDE default display format and the ED field has been added,   *
        * effective March 20, 2005. A new display format, IDERL, is now   *
        * available and contains the CA role and document type information. *
        *   *
        ****

        Structure search iteration limits have been increased. See HELP SLIMITS
        for details.

        REGISTRY includes numerically searchable data for experimental and
        predicted properties as well as tags indicating availability of
        experimental property data in the original document. For information
        on property searching in REGISTRY, refer to:

        http://www.cas.org/ONLINE/UG/regprops.html

        => d l2 cn hit nte 1-6

L2   ANSWER 1 OF 6   REGISTRY COPYRIGHT 2006 ACS on STN
CN   L-Serine, L-α-aspartyl-L-phenylalanyl-L-seryl-L-arginyl-L-leucyl-L-
      threonyl-L-serylglycylglycyl- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   58: PN: US20040265859 SEQID: 58 unclaimed sequence
SQL   10

SEQ   1 DFSRLTSGGS
            ======
HITS AT: 2-7

L2   ANSWER 2 OF 6   REGISTRY COPYRIGHT 2006 ACS on STN
CN   Glycine, L-alanyl-L-phenylalanyl-L-seryl-L-arginyl-L-isoleucyl-L-seryl-L-
      seryl-L-arginyl-L-seryl- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   57: PN: US20040265859 SEQID: 57 unclaimed sequence
SQL   10

SEQ   1 AFSRISSRSG
            ======
HITS AT: 2-7

L2   ANSWER 3 OF 6   REGISTRY COPYRIGHT 2006 ACS on STN
CN   Glycine, L-alanyl-L-phenylalanyl-L-seryl-L-arginyl-L-isoleucyl-L-seryl-L-
      seryl-L-threonyl-L-seryl- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   55: PN: US20040265859 SEQID: 55 unclaimed sequence
SQL   10

SEQ   1 AFSRISSTSG
            ======
HITS AT: 2-7

L2   ANSWER 4 OF 6   REGISTRY COPYRIGHT 2006 ACS on STN
CN   L-Serine, L-cysteinyl-L-phenylalanyl-L-seryl-L-arginyl-L-valyl-L-seryl-L-
      serylglycylglycyl- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   52: PN: US20040265859 SEQID: 52 claimed sequence
SQL   10

```
SEQ     1 CFSRVSSGGS
          ======
HITS AT:   2-7

L2   ANSWER 5 OF 6   REGISTRY   COPYRIGHT 2006 ACS on STN
CN   L-Serine, glycyl-L-phenylalanyl-L-seryl-L-arginyl-L-valyl-L-seryl-L-
     serylglycylglycyl- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   51: PN: US20040265859 SEQID: 51 claimed sequence
SQL  10

SEQ     1 GFSRVSSGGS
          ======
HITS AT:   2-7

L2   ANSWER 6 OF 6   REGISTRY   COPYRIGHT 2006 ACS on STN
CN   Glycine, L-alanyl-L-phenylalanyl-L-seryl-L-arginyl-L-isoleucyl-L-seryl-L-
     serylglycyl-L-threonyl- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   50: PN: US20040265859 SEQID: 50 claimed sequence
SQL  10

SEQ     1 AFSRISSGTG
          ======
HITS AT:   2-7


=> s l1 and SQL=<15
      1417454 SQL=<15
L4          7 L1 AND SQL=<15

=> s l4 not l2
L5          1 L4 NOT L2

=> file caplus
COST IN U.S. DOLLARS                       SINCE FILE      TOTAL
                                              ENTRY       SESSION
FULL ESTIMATED COST                           43.80        81.50

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FILE COVERS 1907 - 16 May 2006  VOL 144 ISS 21
FILE LAST UPDATED: 15 May 2006  (20060515/ED)

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=> s l5
```

=> d ibib

L6   ANSWER 1 OF 1   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:417197 CAPLUS
DOCUMENT NUMBER: 135:41811
TITLE: Nucleic acids containing human single nucleotide
                          polymorphisms and methods of their use
INVENTOR(S):   Shimkets, Richard A.; Leach, Martin
PATENT ASSIGNEE(S):   Curagen Corp., USA
SOURCE: PCT Int. Appl., 2653 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001040521	A2	20010607	WO 2000-US32758	20001130
WO 2001040521	A3	20020516		

    W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
        CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
        HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
        LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
        SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
        YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
    RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
        DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
        BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 2392948	AA	20010607	CA 2000-2392948	20001130
EP 1235936	A2	20020904	EP 2000-982352	20001130

    R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
        IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004508003	T2	20040318	JP 2001-542584	20001130

PRIORITY APPLN. INFO.:   US 1999-168138P   P 19991130
                                          US 2000-726173   A 20001129
                                          WO 2000-US32758   W 20001130

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                             ENTRY   SESSION
FULL ESTIMATED COST   1.60   83.10

```
*********************************************************************
*                                                                   *
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* available and contains the CA role and document type information.  *
*                                                                   *
*********************************************************************
```

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experimental property data in the original document. For information
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http://www.cas.org/ONLINE/UG/regprops.html

=> d 15 cn hit nte

L5   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
CN   L-Threonine, L-cysteinyl-L-phenylalanyl-L-seryl-L-arginyl-L-leucyl-L-seryl-
     L-seryl-L-leucyl-L-leucyl-L-α-glutamyl-L-histidyl-L-arginyl-L-
     histidyl- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   1367: PN: WO0140521 SEQID: 6864 claimed sequence
SQL **14**

SEQ   1 CFSRLSSLLE HRHT
           ======
HITS AT: 2-7

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                ENTRY   SESSION
FULL ESTIMATED COST   8.12   91.22

STN INTERNATIONAL LOGOFF AT 11:36:12 ON 16 MAY 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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    NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
    NEWS 2   "Ask CAS" for self-help around the clock
    NEWS 3   JAN 17   Pre-1988 INPI data added to MARPAT
    NEWS 4   FEB 21   STN AnaVist, Version 1.1, lets you share your STN AnaVist
                       visualization results
    NEWS 5   FEB 22   The IPC thesaurus added to additional patent databases on STN
    NEWS 6   FEB 22   Updates in EPFULL; IPC 8 enhancements added
    NEWS 7   FEB 27   New STN AnaVist pricing effective March 1, 2006
    NEWS 8   MAR 03   Updates in PATDPA; addition of IPC 8 data without attributes
    NEWS 9   MAR 08   X.25 communication option no longer available after June 2006
    NEWS 10   MAR 22   EMBASE is now updated on a daily basis
    NEWS 11   APR 03   New IPC 8 fields and IPC thesaurus added to PATDPAFULL
    NEWS 12   APR 03   Bibliographic data updates resume; new IPC 8 fields and IPC
                       thesaurus added in PCTFULL
    NEWS 13   APR 04   STN AnaVist $500 visualization usage credit offered
    NEWS 14   APR 12   LINSPEC, learning database for INSPEC, reloaded and enhanced
    NEWS 15   APR 12   Improved structure highlighting in FQHIT and QHIT display
                       in MARPAT
    NEWS 16   APR 12   Derwent World Patents Index to be reloaded and enhanced during
                       second quarter; strategies may be affected
    NEWS 17   MAY 10   CA/CAplus enhanced with 1900-1906 U.S. patent records
    NEWS 18   MAY 11   KOREAPAT updates resume

    NEWS EXPRESS   FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
                    CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                    AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
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                    http://download.cas.org/express/v8.0-Discover/

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  will be kept confidential and will help us make future improvements
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  Take survey: http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW

Thank you in advance for your participation.

* * * * * * * * * * * * * * STN   Columbus   * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:16:30 ON 16 MAY 2006

=> file reg

COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

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Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS  3   JAN 17 Pre-1988 INPI data added to MARPAT
NEWS  4   FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
                 visualization results
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NEWS 11   APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 12   APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
                 thesaurus added in PCTFULL
NEWS 13   APR 04 STN AnaVist $500 visualization usage credit offered
NEWS 14   APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 15   APR 12 Improved structure highlighting in FQHIT and QHIT display
                 in MARPAT
NEWS 16   APR 12 Derwent World Patents Index to be reloaded and enhanced during
                 second quarter; strategies may be affected
NEWS 17   MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
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NEWS EXPRESS    FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
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                AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
                V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
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   approximately 5 minutes to complete a web survey.

   If you provide us with your name, login ID, and e-mail address, you
   will be entered in a drawing to win a free iPod(R).  Your responses
   will be kept confidential and will help us make future improvements
   to STN.

   Take survey: http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW

   Thank you in advance for your participation.

* * * * * * * * * * * * * * * STN   Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:52:31 ON 16 MAY 2006
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=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                          ENTRY        SESSION
FULL ESTIMATED COST                                       0.21          0.21

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*                                                               *
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=> s F[SN]R[ILV][ST]S/SQSP
L1          954 F[SN]R[ILV][ST]S/SQSP

=> s 11 and SQL=<700
     45199475 SQL=<700
L2          605 L1 AND SQL=<700

=> s 12 and SQL=>600
     20264787 SQL=>600
L3           75 L2 AND SQL=>600

=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                          ENTRY        SESSION
FULL ESTIMATED COST                                      39.73         39.94

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FILE LAST UPDATED: 15 May 2006   (20060515/ED)

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=> s 13
L4   57 L3

=> s 14 not py>1996
      9047887 PY>1996
L5   6 L4 NOT PY>1996

=> d ibib 1-6

L5   ANSWER 1 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:954104 CAPLUS
DOCUMENT NUMBER: 124:23081
TITLE: Developmentally regulated mouse gene NK10 encodes a
                         zinc finger repressor protein with differential
                         DNA-binding domains
AUTHOR(S):   Lange, Rita; Christoph, Annette; Thiesen,
                         Hans-Juergen; Vopper, Gaby; Johnson, Kenneth R.;
                         Lemaire, Lydia; Plomann, Markus; Cremer, Harold;
                         Barthels, Dagmar; Heinlein, Uwe A. O.
CORPORATE SOURCE: Inst. Genetik, Univ. Koeln, Cologne, D-50674, Germany
SOURCE: DNA and Cell Biology (1995), 14(11), 971-81
                         CODEN: DCEBE8; ISSN: 1044-5498
PUBLISHER: Liebert
DOCUMENT TYPE: Journal
LANGUAGE: English

L5   ANSWER 2 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:745449 CAPLUS
DOCUMENT NUMBER: 123:308024
TITLE: The product of Zfp59 (Mfg2), a mouse gene expressed at
                         the spermatid stage of spermatogenesis, accumulates in
                         spermatozoa nuclei
AUTHOR(S):   Passananti, Claudio; Corbi, Nicoletta; Paggi, Marco
                         G.; Ruso, Mario A.; Perez, Marie; Cotelli, Franco;
                         Stefanini, Mario; Amati, Paolo
CORPORATE SOURCE: Dipartimento di Biopatologia Umana, Univ. di Roma La
                         Sapienza, Rome, 00161, Italy
SOURCE: Cell Growth & Differentiation (1995), 6(8), 1037-44
                         CODEN: CGDIE7; ISSN: 1044-9523
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English

L5   ANSWER 3 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1994:406623 CAPLUS

```
DOCUMENT NUMBER:         121:6623
TITLE:                   Mutations rendering platelet glycoprotein Ib α
                         less reactive with von Willebrand factor
INVENTOR(S):             Miller, Jonathan L.; Cunningham, David; Lyle, Vicki
                         A.; Finch, Clara N.
PATENT ASSIGNEE(S):      Research Foundation of State University of New York,
                         USA
SOURCE:                  U.S., 20 pp. Cont.-in-part of U.S. Ser. No. 770,968.
                         CODEN: USXXAM
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  2
PATENT INFORMATION:
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PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 5298239	A	19940329	US 1992-821717		19920115
US 5317097	A	19940531	US 1991-770968		19911007
US 5492809	A	19960220	US 1993-119262		19930909
PRIORITY APPLN. INFO.:			US 1991-770968	A2	19911007
			US 1992-821717	A3	19920115

```
L5    ANSWER 4 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1992:725  CAPLUS
DOCUMENT NUMBER:         116:725
TITLE:                   Glycoprotein Ib α chain (GPIbα) fragments
                         and recombinant DNA expression vectors, and inhibition
                         of von Willebrand factor with the fragments
INVENTOR(S):             Ruggeri, Zaverio M.; Zimmerman, Theodore S.; Houghten,
                         Richard A.; Vicente, Vicente; Mohri, Hiroshi; Ware,
                         Jerry L.
PATENT ASSIGNEE(S):      Scripps Clinic and Research Foundation, USA
SOURCE:                  PCT Int. Appl., 77 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  3
PATENT INFORMATION:
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PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9109614	A1	19910711	WO 1991-US87		19910104
W: AU, CA, JP, US					
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE					
US 5340727	A	19940823	US 1990-613083		19901114
AU 9177458	A1	19910724	AU 1991-77458		19910104
EP 524260	A1	19930127	EP 1991-908416		19910104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE					
JP 05503708	T2	19930617	JP 1991-507976		19910104
PRIORITY APPLN. INFO.:			US 1990-460674	A2	19900104
			US 1990-613083	A2	19901114
			US 1987-121454	B2	19871117
			WO 1991-US87	A	19910104

```
L5    ANSWER 5 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1989:418553  CAPLUS
DOCUMENT NUMBER:         111:18553
TITLE:                   Structure of the human blood platelet membrane
                         glycoprotein Ibα gene
AUTHOR(S):               Wenger, Roland H.; Kieffer, Nelly; Wicki, Andreas N.;
                         Clemetson, Kenneth J.
CORPORATE SOURCE:        Theodor Kocher Inst., Univ. Berne, Bern, CH-3012,
                         Switz.
SOURCE:                  Biochemical and Biophysical Research Communications
```

DOCUMENT TYPE: Journal
LANGUAGE: English

L5   ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1988:17039 CAPLUS
DOCUMENT NUMBER: 108:17039
TITLE: Cloning of the α chain of human platelet
                     glycoprotein Ib: a transmembrane protein with
                     homology to leucine-rich α2-glycoprotein
AUTHOR(S):   Lopez, Jose A.; Chung, Dominic W.; Fujikawa, Kazuo;
                     Hagen, Frederick S.; Papayannopoulou, Thalia; Roth,
                     Gerald J.
CORPORATE SOURCE: Dep. Biochem., Univ. Washington, Seattle, WA, 98195,
                     USA
SOURCE: Proceedings of the National Academy of Sciences of the
                     United States of America (1987), 84(16), 5615-19
                     CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: Journal
LANGUAGE: English

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                      ENTRY   SESSION
FULL ESTIMATED COST   9.71   49.65

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*   *
****

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predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

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```
=> file caplus
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                                  0.44         50.09

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FILE COVERS 1907 - 16 May 2006  VOL 144 ISS 21
FILE LAST UPDATED: 15 May 2006  (20060515/ED)

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=> d his

      (FILE 'HOME' ENTERED AT 12:52:31 ON 16 MAY 2006)

      FILE 'REGISTRY' ENTERED AT 12:52:40 ON 16 MAY 2006
L1          954 S F[SN]R[ILV][ST]S/SQSP
L2          605 S L1 AND SQL=<700
L3           75 S L2 AND SQL=>600

      FILE 'CAPLUS' ENTERED AT 12:55:19 ON 16 MAY 2006
L4           57 S L3
L5            6 S L4 NOT PY>1996

      FILE 'REGISTRY' ENTERED AT 12:56:40 ON 16 MAY 2006

      FILE 'CAPLUS' ENTERED AT 12:57:22 ON 16 MAY 2006

=> s l5
      9047887 PY>1996
L6            6 L4 NOT PY>1996

=> d ibib sql seq 4
'SQL' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'
'SEQ' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
CLASS ------- IPC, NCL, ECLA, FTERM
```

```
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
                SCAN must be entered on the same line as the DISPLAY,
                e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, CLASS

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
                containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
                its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
                structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
                its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
                structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs
```

To display a particular field or fields, enter the display field
codes. For a list of the display field codes, enter HELP DFIELDS at
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TI,IND; TI,SO. You may specify the format fields in any order and the
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to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

=> d ibib kwic 4

```
L6    ANSWER 4 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1992:725   CAPLUS
DOCUMENT NUMBER:         116:725
TITLE:                   Glycoprotein Ib α chain (GPIbα) fragments
                         and recombinant DNA expression vectors, and inhibition
                         of von Willebrand factor with the fragments
INVENTOR(S):             Ruggeri, Zaverio M.; Zimmerman, Theodore S.; Houghten,
                         Richard A.; Vicente, Vicente; Mohri, Hiroshi; Ware,
                         Jerry L.
```

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9109614	A1	19910711	WO 1991-US87	19910104
W: AU, CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
US 5340727	A	19940823	US 1990-613083	19901114
AU 9177458	A1	19910724	AU 1991-77458	19910104
EP 524260	A1	19930127	EP 1991-908416	19910104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05503708	T2	19930617	JP 1991-507976	19910104

PRIORITY APPLN. INFO.:   US 1990-460674   A2 19900104
                                             US 1990-613083   A2 19901114
                                             US 1987-121454   B2 19871117
                                             WO 1991-US87   A 19910104
IT   **111972-71-5**, Sialoglycoprotein Ib (human clone λGPIb2.4
     α-subunit protein moiety reduced)   137750-42-6,
     1-302-Sialoglycoprotein Ib (human clone λGPIb2.4 α-subunit
     protein moiety reduced)
     RL: PROC (Process)
         (expression of, in mammalian cell line)

=> FIL REGISTRY

for details.

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on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> S 137750-42-6/RN

L7   1 137750-42-6/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L7 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.36 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L7   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN   **137750-42-6** REGISTRY
CN   1-302-Sialoglycoprotein Ib (human clone λGPIb2.4 α-subunit
      protein moiety reduced) (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   1-302-Glycolipoprotein GPIb (human clone λGPIb2.4 α-subunit
      protein moiety reduced)
CN   [1-302] Glycoprotein GPIbα (human)
FS   PROTEIN SEQUENCE
SQL   302

SEQ   1 HPICEVSKVA SHLEVNCDKR NLTALPPDLP KDTTILHLSE NLLYTFSLAT
         51 LMPYTRLTQL NLDRCELTKL QVDGTLPVLG TLDLSHNQLQ SLPLLGQTLP
        101 ALTVLDVSFN RLTSLPLGAL RGLGELQELY LKGNELKTLP PGLLTPTPKL
        151 EKLSLANNNL TELPAGLLNG LENLDTLLLQ ENSLYTIPKG FFGSHLLPFA
        201 FLHGNPWLCN CEILYFRRWL QDNAENVYVW KQGVDVKAMT SNVASVQCDN
        251 SDKFPVYKYP GKGCPTLGDE GDTDLYDYYP EEDTEGDKVR ATRTVVKFPT
        301 KA

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); PROC (Process)
              2 REFERENCES IN FILE CA (1907 TO DATE)
              2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> d his

      (FILE 'HOME' ENTERED AT 12:52:31 ON 16 MAY 2006)

```
      FILE 'REGISTRY' ENTERED AT 12:52:40 ON 16 MAY 2006
L1         954 S F[SN]R[ILV][ST]S/SQSP
L2         605 S L1 AND SQL=<700
L3          75 S L2 AND SQL=>600

      FILE 'CAPLUS' ENTERED AT 12:55:19 ON 16 MAY 2006
L4          57 S L3
L5           6 S L4 NOT PY>1996

      FILE 'REGISTRY' ENTERED AT 12:56:40 ON 16 MAY 2006

      FILE 'CAPLUS' ENTERED AT 12:57:22 ON 16 MAY 2006
L6           6 S L5

      FILE 'REGISTRY' ENTERED AT 12:58:47 ON 16 MAY 2006
L7           1 S 137750-42-6/RN
             SET NOTICE 1 DISPLAY
             SET NOTICE LOGIN DISPLAY

=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                               ENTRY         SESSION
FULL ESTIMATED COST                             7.24          61.67

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DICTIONARY FILE UPDATES:  15 MAY 2006  HIGHEST RN 884382-45-0

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*******************************************************************
*                                                                 *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                 *
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http://www.cas.org/ONLINE/UG/regprops.html

=> d his
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      FILE 'REGISTRY' ENTERED AT 12:52:40 ON 16 MAY 2006
L1         954 S F[SN]R[ILV][ST]S/SQSP
L2         605 S L1 AND SQL=<700
L3          75 S L2 AND SQL=>600


      FILE 'CAPLUS' ENTERED AT 12:55:19 ON 16 MAY 2006
L4          57 S L3
L5           6 S L4 NOT PY>1996


      FILE 'REGISTRY' ENTERED AT 12:56:40 ON 16 MAY 2006


      FILE 'CAPLUS' ENTERED AT 12:57:22 ON 16 MAY 2006
L6           6 S L5


      FILE 'REGISTRY' ENTERED AT 12:58:47 ON 16 MAY 2006
L7           1 S 137750-42-6/RN
             SET NOTICE 1 DISPLAY
             SET NOTICE LOGIN DISPLAY


      FILE 'REGISTRY' ENTERED AT 12:59:51 ON 16 MAY 2006

=> d 13 sql seq 1,14


L3   ANSWER 1 OF 75   REGISTRY   COPYRIGHT 2006 ACS on STN
SQL  693

SEQ      1 MNGAQLIFIF  RLAIVLGRLL  LIAISLSVCL  ACGSVLVAAI  ALRRSANATA
        51 ALAATLAAAS  AAAATSASAGA GAAAAATSAA  TLEAATTRRI  RHKRRSSQRR
       101 RSTNNNAVLS  SGIGTGIGIG  IGPGLETNSA  LALPLATAPP  TSVSTAADQT
       151 AIAAATATAA  SAAAEAAVAT  TTAAAAATAS  TAAATVTTTL  LPTEPEHSVP
       201 MLSVQTAGCA  GMERLGVPTR  TSLSTPPDDR  DQFRCRMRVD  ALQARELLAV
       251 RGETVIRGAG  NNQHQQQHHL  HHSSSSSNKQ  QHSHHQQQRM  TTPSTHNSSG
       301 GSGGGGGAAA  GGDHQHHHQQ  HQLGNSSSSN  NNNSISSNVA  RGGIEATTLK
       351 YGNTGSGSGS  GCYKGDCGNS  STGSSCSSLQ  SHSNDHHQHY  QYQLQQQQTP
       401 RCPHHVPLPD  SEYGQDRHLQ  IRSSYQQSEI  TRSYTKPPPN  KTVRDVPEQI
       451 SAGGCGVSSS  SYRLTTLQAA  SSTYTPAGVS  VSASSSSSKS  KPNAITKFFS
                                                                 ==
       501 RISSPKSPPS  CTMTSVATAS  PASSVSMSSS  ASSLASSACV  STSSSASSLA
            ====
       551 AAPTLPVSNA  SLLKSTACGY  GTNPSGIYAG  LGPSTQLLTS  LGTGTSGNCS
       601 PERIPTPPLS  VSVPIGAGLQ  PLRSSSSGSS  SSTASLAAVE  TTTTTATTQS
       651 SFAAGATGDL  PLTTMSRNNS  NSSMMSYHCS  CNGRNCSHCA  ANS
HITS AT:   499-504

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**


L3   ANSWER 14 OF 75   REGISTRY   COPYRIGHT 2006 ACS on STN
SQL  686

SEQ      1 MKQFDSRHDI  RLVIPPEYRL  WEEAEVHFLM  EDASRNLLVN  DKADYVNKQT
        51 GEVVYRLREV  DTMKPGCHRA  VFRINYGDGT  TMSFPQKGYI  EVRIERTIHN
       101 GRDTHIVEEI  ALKVSLIDQK  FADLAEEVEE  WRENVADDVK  EKVYENLDID
       151 RLSNTEVIQA  RGGKKDLNER  ITGIDEGLNA  HIADKKNPHG  TTKNDVGLGN
       201 VPNWGAATQA  EAQAGTNNSK  IMTPQRTKEA  IDALSSIHLL  PKGSIPSDAG
       251 IDSYPFGVSV  MLVGEGEEAR  GYPGTWGILT  TFKPLGTSVS  SSQEFSRITS
                                                                ======
       301 DQSVYKRTSN  GSGWNGFVQQ  ETTSGAQSKV  NAHANNKNNP  HDVTKSQIGL
       351 GNVPNWGAAS  QADARAGTNN  TRMMSPLRTK  EAIDAFASEA  TIIPAKSANV
       401 SGVDYPLGLT  TFMHSGLGYP  TDHGTIFNIK  VSNLRFTQLY  FPHAIRHEEI
       451 GMYFRHFYEG  DGWTDFQQVE  TTSGAQAKVD  AHANNKGNPH  GVTKAQVGLS
       501 NVDNAKQATK  VEFDAHVNNK  SNPHGVTKSQ  VGLGSVPNYP  VSSQAQAEAG
       551 THTASFMTPQ  RTKQAFQSFS  NEPLNWIRAS  LQSTWTHSSS  WPVRYAKDST
```

```
         601 GTVYIEGSMN GGAIGGDPAV VQFILPPGYR PGQTSYFWLV GSSAGTSGAQ
         651 GLRCYLGANG NFIIQDMTWP GATQFVAVNI VFKAGN
HITS AT:    295-300


=> d his

     (FILE 'HOME' ENTERED AT 12:52:31 ON 16 MAY 2006)


     FILE 'REGISTRY' ENTERED AT 12:52:40 ON 16 MAY 2006
L1          954 S F[SN]R[ILV][ST]S/SQSP
L2          605 S L1 AND SQL=<700
L3           75 S L2 AND SQL=>600


     FILE 'CAPLUS' ENTERED AT 12:55:19 ON 16 MAY 2006
L4           57 S L3
L5            6 S L4 NOT PY>1996


     FILE 'REGISTRY' ENTERED AT 12:56:40 ON 16 MAY 2006


     FILE 'CAPLUS' ENTERED AT 12:57:22 ON 16 MAY 2006
L6            6 S L5


     FILE 'REGISTRY' ENTERED AT 12:58:47 ON 16 MAY 2006
L7            1 S 137750-42-6/RN
                SET NOTICE 1 DISPLAY
                SET NOTICE LOGIN DISPLAY


     FILE 'REGISTRY' ENTERED AT 12:59:51 ON 16 MAY 2006

=> file caplus
COST IN U.S. DOLLARS                            SINCE FILE        TOTAL
                                                  ENTRY         SESSION
FULL ESTIMATED COST                               13.44           75.11

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FILE COVERS 1907 - 16 May 2006  VOL 144 ISS 21
FILE LAST UPDATED: 15 May 2006   (20060515/ED)

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=> d l6 ibib kwic 1-6

L6    ANSWER 1 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1995:954104  CAPLUS
DOCUMENT NUMBER:         124:23081
```

TITLE: Developmentally regulated mouse gene NK10 encodes a
                            zinc finger repressor protein with differential
                            DNA-binding domains
AUTHOR(S):   Lange, Rita; Christoph, Annette; Thiesen,
                            Hans-Juergen; Vopper, Gaby; Johnson, Kenneth R.;
                            Lemaire, Lydia; Plomann, Markus; Cremer, Harold;
                            Barthels, Dagmar; Heinlein, Uwe A. O.
CORPORATE SOURCE: Inst. Genetik, Univ. Koeln, Cologne, D-50674, Germany
SOURCE: DNA and Cell Biology (1995), 14(11), 971-81
                            CODEN: DCEBE8; ISSN: 1044-5498
PUBLISHER: Liebert
DOCUMENT TYPE: Journal
LANGUAGE: English
IT   171842-50-5
     RL: PRP (Properties)
         (amino acid sequence; sequence, binding and expression of mouse gene
      NK10 zinc finger repressor protein)

L6   ANSWER 2 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:745449 CAPLUS
DOCUMENT NUMBER: 123:308024
TITLE: The product of Zfp59 (Mfg2), a mouse gene expressed at
                            the spermatid stage of spermatogenesis, accumulates in
                            spermatozoa nuclei
AUTHOR(S):   Passananti, Claudio; Corbi, Nicoletta; Paggi, Marco
                            G.; Ruso, Mario A.; Perez, Marie; Cotelli, Franco;
                            Stefanini, Mario; Amati, Paolo
CORPORATE SOURCE: Dipartimento di Biopatologia Umana, Univ. di Roma La
                            Sapienza, Rome, 00161, Italy
SOURCE: Cell Growth & Differentiation (1995), 6(8), 1037-44
                            CODEN: CGDIE7; ISSN: 1044-9523
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
IT   169874-75-3, Protein (mouse testis gene Mfg2 reduced)
     RL: PRP (Properties)
         (amino acid sequence; spermatid stage expression of mouse gene Zfp59
      (Mfg2) protein and its accumulation in spermatozoa nuclei)

L6   ANSWER 3 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1994:406623 CAPLUS
DOCUMENT NUMBER: 121:6623
TITLE: Mutations rendering platelet glycoprotein Ib α
                            less reactive with von Willebrand factor
INVENTOR(S):   Miller, Jonathan L.; Cunningham, David; Lyle, Vicki
                            A.; Finch, Clara N.
PATENT ASSIGNEE(S):   Research Foundation of State University of New York,
                            USA
SOURCE: U.S., 20 pp. Cont.-in-part of U.S. Ser. No. 770,968.
                            CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5298239	A	19940329	US 1992-821717	19920115
US 5317097	A	19940531	US 1991-770968	19911007
US 5492809	A	19960220	US 1993-119262	19930909
PRIORITY APPLN. INFO.:			US 1991-770968	A2 19911007
			US 1992-821717	A3 19920115

IT   155663-44-8P, Glycoprotein Ib alpha analog (human)
     RL: PREP (Preparation)

(amino acid sequence of and purification of, low reactivity with von
Willebrand factor in relation to)

L6   ANSWER 4 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1992:725 CAPLUS
DOCUMENT NUMBER: 116:725
TITLE: Glycoprotein Ib α chain (GPIbα) fragments
                         and recombinant DNA expression vectors, and inhibition
                         of von Willebrand factor with the fragments
INVENTOR(S):   Ruggeri, Zaverio M.; Zimmerman, Theodore S.; Houghten,
                         Richard A.; Vicente, Vicente; Mohri, Hiroshi; Ware,
                         Jerry L.
PATENT ASSIGNEE(S):   Scripps Clinic and Research Foundation, USA
SOURCE: PCT Int. Appl., 77 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9109614	A1	19910711	WO 1991-US87	19910104
W: AU, CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
US 5340727	A	19940823	US 1990-613083	19901114
AU 9177458	A1	19910724	AU 1991-77458	19910104
EP 524260	A1	19930127	EP 1991-908416	19910104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05503708	T2	19930617	JP 1991-507976	19910104

PRIORITY APPLN. INFO.:   US 1990-460674   A2 19900104
                                                US 1990-613083   A2 19901114
                                                US 1987-121454   B2 19871117
                                                WO 1991-US87   A   19910104
IT   111972-71-5, Sialoglycoprotein Ib (human clone λGPIb2.4
      α-subunit protein moiety reduced)   137750-42-6,
      1-302-Sialoglycoprotein Ib (human clone λGPIb2.4 α-subunit
      protein moiety reduced)
      RL: PROC (Process)
         (expression of, in mammalian cell line)

L6   ANSWER 5 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:418553 CAPLUS
DOCUMENT NUMBER: 111:18553
TITLE: Structure of the human blood platelet membrane
                         glycoprotein Ibα gene
AUTHOR(S):   Wenger, Roland H.; Kieffer, Nelly; Wicki, Andreas N.;
                         Clemetson, Kenneth J.
CORPORATE SOURCE: Theodor Kocher Inst., Univ. Berne, Bern, CH-3012,
                         Switz.
SOURCE: Biochemical and Biophysical Research Communications
                         (1988), 156(1), 389-95
                         CODEN: BBRCA9; ISSN: 0006-291X
DOCUMENT TYPE: Journal
LANGUAGE: English
IT   111972-70-4, Sialoglycoprotein Ib (human clone λGPIb2.4
      α-subunit precursor protein moiety reduced) 111972-71-5,
      Sialoglycoprotein Ib (human clone λGPIb2.4 α-subunit protein
      moiety reduced)
      RL: PRP (Properties)
         (amino acid sequence of)

L6   ANSWER 6 OF 6   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1988:17039 CAPLUS

DOCUMENT NUMBER: 108:17039
TITLE: Cloning of the α chain of human platelet
                          glycoprotein Ib: a transmembrane protein with
                          homology to leucine-rich α2-glycoprotein
AUTHOR(S):   Lopez, Jose A.; Chung, Dominic W.; Fujikawa, Kazuo;
                          Hagen, Frederick S.; Papayannopoulou, Thalia; Roth,
                          Gerald J.
CORPORATE SOURCE: Dep. Biochem., Univ. Washington, Seattle, WA, 98195,
                          USA
SOURCE: Proceedings of the National Academy of Sciences of the
                          United States of America (1987), 84(16), 5615-19
                          CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: Journal
LANGUAGE: English
IT   **111972-70-4 111972-71-5**
     RL: PRP (Properties)
        (amino acid sequence of)

=> FIL REGISTRY

COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                      ENTRY   SESSION
FULL ESTIMATED COST   9.74   84.85

FILE 'REGISTRY' ENTERED AT 13:04:39 ON 16 MAY 2006
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STRUCTURE FILE UPDATES: 15 MAY 2006   HIGHEST RN 884382-45-0
DICTIONARY FILE UPDATES: 15 MAY 2006   HIGHEST RN 884382-45-0

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

****
*   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now   *
* available and contains the CA role and document type information. *
*   *
****

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> S 155663-44-8/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L8 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.36 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L8   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN   **155663-44-8** REGISTRY
CN   Sialoglycoprotein Ib [57-phenylalanine,133-valine,165-valine] (human clone
      λGPIb2.4 α-subunit protein moiety reduced) (9CI) (CA INDEX
      NAME)
OTHER NAMES:
CN   Glycoprotein Ib alpha analog (human)
FS   PROTEIN SEQUENCE
SQL   610

SEQ   1 HPICEVSKVA SHLEVNCDKR NLTALPPDLP KDTTILHLSE NLLYTFSLAT
          51 LMPYTRFTQL NLDRCELTKL QVDGTLPVLG TLDLSHNQLQ SLPLLGQTLP
         101 ALTVLDVSFN RLTSLPLGAL RGLGELQELY LKVNELKTLP PGLLTPTPKL
         151 EKLSLANNNL TELPVGLLNG LENLDTLLLQ ENSLYTIPKG FFGSHLLPFA
         201 FLHGNPWLCN CEILYFRRWL QDNAENVYVW KQGVDVKAMT SNVASVQCDN
         251 SDKFPVYKYP GKGCPTLGDE GDTDLYDYYP EEDTEGDKVR ATRTVVKFPT
         301 KAHTTPWGLF YSWSTASLDS QMPSSLHPTQ ESTKEQTTFP PRWTPNFTLH
         351 MESITFSKTP KSTTEPTPSP TTSEPVPEPA PNMTTLEPTP SPTTPEPTSE
         401 PAPSPTTPEP TPIPTIATSP TILVSATSLI TPKSTFLTTT KPVSLLESTK
         451 KTIPELDQPP KLRGVLQGHL ESSRNDPFLH PDFCCLLPLG FYVLGLFWLL
         501 FASVVLILLL SWVGHVKPQA LDSGQGAALT TATQTTHLEL QRGRQVTVPR
         551 AWLLFLRGSL PTFRSSLFLW VRPNGRVGPL VAGRRPSALS QGRGQDLLST
         601 VSIRYSGHSL
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)
              1 REFERENCES IN FILE CA (1907 TO DATE)
              1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> d his

      (FILE 'HOME' ENTERED AT 12:52:31 ON 16 MAY 2006)

      FILE 'REGISTRY' ENTERED AT 12:52:40 ON 16 MAY 2006
L1   954 S F[SN]R[ILV][ST]S/SQSP
L2   605 S L1 AND SQL=<700
L3   75 S L2 AND SQL=>600

      FILE 'CAPLUS' ENTERED AT 12:55:19 ON 16 MAY 2006
L4   57 S L3

```
L5              6 S L4 NOT PY>1996

     FILE 'REGISTRY' ENTERED AT 12:56:40 ON 16 MAY 2006

     FILE 'CAPLUS' ENTERED AT 12:57:22 ON 16 MAY 2006
L6              6 S L5

     FILE 'REGISTRY' ENTERED AT 12:58:47 ON 16 MAY 2006
L7              1 S 137750-42-6/RN
                  SET NOTICE 1 DISPLAY
                  SET NOTICE LOGIN DISPLAY

     FILE 'REGISTRY' ENTERED AT 12:59:51 ON 16 MAY 2006

     FILE 'CAPLUS' ENTERED AT 13:03:15 ON 16 MAY 2006

     FILE 'REGISTRY' ENTERED AT 13:04:39 ON 16 MAY 2006
L8              1 S 155663-44-8/RN
                  SET NOTICE 1 DISPLAY
                  SET NOTICE LOGIN DISPLAY

=> s l8 not l3
L9              0 L8 NOT L3

=> s l3 not l8
L10            74 L3 NOT L8

=> s l3 not l10
L11             1 L3 NOT L10

=> d SQL SEQ

L11  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2006 ACS on STN
SQL  610

SEQ       1 HPICEVSKVA SHLEVNCDKR NLTALPPDLP KDTTILHLSE NLLYTFSLAT
         51 LMPYTRFTQL NLDRCELTKL QVDGTLPVLG TLDLSHNQLQ SLPLLGQTLP
        101 ALTVLDVSFN RLTSLPLGAL RGLGELQELY LKVNELKTLP PGLLTPTPKL
                   == ====
        151 EKLSLANNNL TELPVGLLNG LENLDTLLLQ ENSLYTIPKG FFGSHLLPFA
        201 FLHGNPWLCN CEILYFRRWL QDNAENVYVW KQGVDVKAMT SNVASVQCDN
        251 SDKFPVYKYP GKGCPTLGDE GDTDLYDYYP EEDTEGDKVR ATRTVVKFPT
        301 KAHTTPWGLF YSWSTASLDS QMPSSLHPTQ ESTKEQTTFP PRWTPNFTLH
        351 MESITFSKTP KSTTEPTPSP TTSEPVPEPA PNMTTLEPTP SPTTPEPTSE
        401 PAPSPTTPEP TPIPTIATSP TILVSATSLI TPKSTFLTTT KPVSLLESTK
        451 KTIPELDQPP KLRGVLQGHL ESSRNDPFLH PDFCCLLPLG FYVLGLFWLL
        501 FASVVLILLL SWVGHVKPQA LDSGQGAALT TATQTTHLEL QRGRQVTVPR
        551 AWLLFLRGSL PTFRSSLFLW VRPNGRVGPL VAGRRPSALS QGRGQDLLST
        601 VSIRYSGHSL
HITS AT:    109-114


=>

---Logging off of STN---



=>
Executing the logoff script...


=> LOG Y
```

Connecting via Winsock to STN

Welcome to STN International!   Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

    NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
    NEWS 2   "Ask CAS" for self-help around the clock
    NEWS 3   JAN 17   Pre-1988 INPI data added to MARPAT
    NEWS 4   FEB 21   STN AnaVist, Version 1.1, lets you share your STN AnaVist
                         visualization results
    NEWS 5   FEB 22   The IPC thesaurus added to additional patent databases on STN
    NEWS 6   FEB 22   Updates in EPFULL; IPC 8 enhancements added
    NEWS 7   FEB 27   New STN AnaVist pricing effective March 1, 2006
    NEWS 8   MAR 03   Updates in PATDPA; addition of IPC 8 data without attributes
    NEWS 9   MAR 22   EMBASE is now updated on a daily basis
    NEWS 10   APR 03   New IPC 8 fields and IPC thesaurus added to PATDPAFULL
    NEWS 11   APR 03   Bibliographic data updates resume; new IPC 8 fields and IPC
                         thesaurus added in PCTFULL
    NEWS 12   APR 04   STN AnaVist $500 visualization usage credit offered
    NEWS 13   APR 12   LINSPEC, learning database for INSPEC, reloaded and enhanced
    NEWS 14   APR 12   Improved structure highlighting in FQHIT and QHIT display
                         in MARPAT
    NEWS 15   APR 12   Derwent World Patents Index to be reloaded and enhanced during
                         second quarter; strategies may be affected
    NEWS 16   MAY 10   CA/CAplus enhanced with 1900-1906 U.S. patent records
    NEWS 17   MAY 11   KOREAPAT updates resume

    NEWS EXPRESS   FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
                    CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                    AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
                    V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
                    http://download.cas.org/express/v8.0-Discover/

    NEWS HOURS   STN Operating Hours Plus Help Desk Availability
    NEWS LOGIN   Welcome Banner and News Items
    NEWS IPC8   For general information regarding STN implementation of IPC 8
    NEWS X25   X.25 communication option no longer available after June 2006

Enter NEWS followed by the item number or name to see news on that
specific topic.

* *

* * * * * * * * * * * * * STN   Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:32:09 ON 17 MAY 2006

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 16 MAY 2006   HIGHEST RN 884586-69-0
DICTIONARY FILE UPDATES: 16 MAY 2006   HIGHEST RN 884586-69-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

****
*   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now   *
* available and contains the CA role and document type information. *
*   *
****

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

```
=> s F[SN]R[ILV][ST]S/SQSP
L1          954 F[SN]R[ILV][ST]S/SQSP

=> s l1 and SQL=<800
      50211776 SQL=<800
L2          669 L1 AND SQL=<800

=> s l1 and SQL=>650
      16524164 SQL=>650
L3          379 L1 AND SQL=>650

=> s l3 and l2
L4           94 L3 AND L2

=> file caplus
```

COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                               ENTRY   SESSION
FULL ESTIMATED COST   39.73   39.94

FILE 'CAPLUS' ENTERED AT 08:34:47 ON 17 MAY 2006
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FILE COVERS 1907 - 17 May 2006 VOL 144 ISS 21
FILE LAST UPDATED: 16 May 2006 (20060516/ED)

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```
=> s l4
L5           82 L4

=> s l5 not py>1997
      8291208 PY>1997
L6            4 L5 NOT PY>1997

=> d ibib 1-4
```

L6   ANSWER 1 OF 4   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:729635 CAPLUS
DOCUMENT NUMBER: 128:58751
TITLE: Cloning and characterization of lung-endothelial cell
                           adhesion molecule-1 suggest it is an endothelial
                           chloride channel
AUTHOR(S):   Elble, Randolph C.; Widom, Joanne; Gruber, Achim D.;
                           Abdel-Ghany, Mossaad; Levine, Roy; Goodwin, Andrew;
                           Cheng, Hung-Chi; Pauli, Bendicht U.
CORPORATE SOURCE: Cancer Biology Laboratories, Department of Pathology,

Cornell University College of Veterinary Medicine,
Ithaca, NY, 14853, USA
SOURCE: Journal of Biological Chemistry (1997), 272(44),
                          27853-27861
                          CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular
                          Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 31   THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6   ANSWER 2 OF 4   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1993:618632   CAPLUS
DOCUMENT NUMBER: 119:218632
TITLE: Multiple protein tyrosine phosphatase-encoding genes
                          in the yeast Saccharomyces cerevisiae
AUTHOR(S):   James, Philip; Hall, Benjamin D.; Whelen, Sally;
                          Craig, Elizabeth A.
CORPORATE SOURCE: Dep. Genet., Univ. Washington, Seattle, WA, 98195, USA
SOURCE: Gene (1992), 122(1), 101-10
                          CODEN: GENED6; ISSN: 0378-1119
DOCUMENT TYPE: Journal
LANGUAGE: English

L6   ANSWER 3 OF 4   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1993:206442   CAPLUS
DOCUMENT NUMBER: 118:206442
TITLE: Isolation and characterization of a second protein
                          tyrosine phosphatase gene, PTP2, from Saccharomyces
                          cerevisiae
AUTHOR(S):   Guan, Kun Liang; Deschenes, Robert J.; Dixon, Jack E.
CORPORATE SOURCE: Dep. Biol. Chem., Univ. Michigan, Ann Arbor, MI,
                          48109-0606, USA
SOURCE: Journal of Biological Chemistry (1992), 267(14),
                          10024-30
                          CODEN: JBCHA3; ISSN: 0021-9258
DOCUMENT TYPE: Journal
LANGUAGE: English

L6   ANSWER 4 OF 4   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1993:140960   CAPLUS
DOCUMENT NUMBER: 118:140960
TITLE: A gene encoding a putative tyrosine phosphatase
                          suppresses lethality of an N-end rule-dependent mutant
AUTHOR(S):   Ota, Irene M.; Varshavsky, Alexander
CORPORATE SOURCE: Dep. Biol., Massachusetts Inst. Technol., Cambridge,
                          MA, 02139, USA
SOURCE: Proceedings of the National Academy of Sciences of the
                          United States of America (1992), 89(6), 2355-9
                          CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d ibib kwic 3

L6   ANSWER 3 OF 4   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1993:206442   CAPLUS
DOCUMENT NUMBER: 118:206442
TITLE: Isolation and characterization of a second protein
                          tyrosine phosphatase gene, PTP2, from Saccharomyces
                          cerevisiae
AUTHOR(S):   Guan, Kun Liang; Deschenes, Robert J.; Dixon, Jack E.

```
CORPORATE SOURCE:        Dep. Biol. Chem., Univ. Michigan, Ann Arbor, MI,
                         48109-0606, USA
SOURCE:                  Journal of Biological Chemistry (1992), 267(14),
                         10024-30
                         CODEN: JBCHA3; ISSN: 0021-9258
DOCUMENT TYPE:           Journal
LANGUAGE:                English
IT   147258-90-0
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
     study, unclassified); PRP (Properties); BIOL (Biological study)
         (amino acid sequence of, complete)
```

```
=> file reg
COST IN U.S. DOLLARS                               SINCE FILE      TOTAL
                                                      ENTRY       SESSION
FULL ESTIMATED COST                                    9.36         49.30
```

```
=> s 147258-90-0
L7            1 147258-90-0
                (147258-90-0/RN)

=> d his

      (FILE 'HOME' ENTERED AT 08:32:09 ON 17 MAY 2006)

      FILE 'REGISTRY' ENTERED AT 08:32:34 ON 17 MAY 2006
```

```
L1          954 S F[SN]R[ILV][ST]S/SQSP
L2          669 S L1 AND SQL=<800
L3          379 S L1 AND SQL=>650
L4           94 S L3 AND L2


     FILE 'CAPLUS' ENTERED AT 08:34:47 ON 17 MAY 2006
L5           82 S L4
L6            4 S L5 NOT PY>1997


     FILE 'REGISTRY' ENTERED AT 08:36:39 ON 17 MAY 2006
L7            1 S 147258-90-0

=> s l7 and l4
L8            1 L7 AND L4

=> d SQL SEQ

L8   ANSWER 1 OF 1   REGISTRY   COPYRIGHT 2006 ACS on STN
SQL  750

SEQ      1 MDRIAQQYRN GKRDNNGNRM ASSAISEKGH IQVNQTRTPG QMPVYRGETI
        51 NLSNLPQNQI KPCKDLDDVN IRRNNSNRHS KILLLDLCAG PNTNSFLGNT
       101 NAKDITVLSL PLPSTLVKRS NYPFENLLKN YLGSDEKYIE FTKIIKDYDI
       151 FIFSDSFSRI SSCLKTTFCL IEKFKKFICH FFPSPYLKFF LLEGSLNDSK
                   ==== ==
       201 APSLGKNKKN CILPKLDLNL NVNLTSRSTL NLRINIPPPN DSNKIFLQSL
       251 KKDLIHYSPN SLQKFFQFNM PADLAPNDTI LPNWLKFCSV KENEKVILKK
       301 LFNNFETLEN FEMQRLEKCL KFKKKPLHQK QLSQKQRGPQ STDDSKLYSL
       351 TSLQRQYKSS LKSNIQKNQK LKLIIPKNNT SSSPSPLSSD DTIMSPINDY
       401 ELTEGIQSFT KNRYSNILPY EHSRVKLPHS PKPPAVSEAS TTETKTDKSY
       451 PMCPVDAKNH SCKPNDYINA NYLNVTQINP DFKYIATQAP LPSTMDDFWK
       501 VITLNKVKVI ISLNSDDELN LRKWDIYWNN LSYSNHTIKL QNTWENICNI
       551 NGCVLRVFQV KKTAPQNDNI SQDCDLPHNG DLTSITMAVS EPFIVYQLQY
       601 KNWLDSCGVD MNDIIKLHKV KNSLLFNPQS FITSLEKDVC KPDLIDDNNS
       651 ELHLDTANSS PLLVHCSAGC GRTGVFVTLD FLLSILSPTT NHSNKIDVWN
       701 MTQDLIFIIV NELRKQRISM VQNLTQYIAC YEALLNYFAL QKQIKNALPC
HITS AT:   157-162


=> s l1 and SQL=<300
     17662663 SQL=<300
L9          271 L1 AND SQL=<300

=> s l1 and SQL=>230
     44231749 SQL=>230
L10         785 L1 AND SQL=>230

=> s l10 and l9
L11         102 L10 AND L9

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY      SESSION
FULL ESTIMATED COST                              18.00        67.30

FILE 'CAPLUS' ENTERED AT 08:41:03 ON 17 MAY 2006
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FILE LAST UPDATED: 16 May 2006   (20060516/ED)

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```
=> s l11
L12          73 L11

=> s l12 not py>1997
      8291208 PY>1997
L13          10 L12 NOT PY>1997

=> d ibib 1-10
```

L13 ANSWER 1 OF 10   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:748948 CAPLUS
DOCUMENT NUMBER: 128:150233
TITLE: The complete genome sequence of the gram-positive
                         bacterium Bacillus subtilis
AUTHOR(S):   Kunst, F.; Ogasawara, N.; Moszer, I.; Albertini, A.
                         M.; Alloni, G.; Azevedo, V.; Bertero, M. G.;
                         Bessieres, P.; Bolotin, A.; Borchert, S.; Borriss, R.;
                         Boursier, L.; Brans, A.; Braun, M.; Brignell, S. C.;
                         Bron, S.; Brouillet, S.; Bruschi, C. V.; Caldwell, B.;
                         Capuano, V.; Carter, N. M.; Choi, S.-K.; Codani,
                         J.-J.; Connerton, I. F.; Cummings, N. J.; Daniel, R.
                         A.; Denizot, F.; Devine, K. M.; Dusterhoft, A.;
                         Ehrlich, S. D.; Emmerson, P. T.; Entian, K. D.;
                         Errington, J.; Fabret, C.; Ferrari, E.; Foulger, D.;
                         Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi,
                         A.; Galleron, N.; Ghim, S.-Y.; Glaser, P.; Goffeau,
                         A.; Golightly, E. J.; Grandi, G.; Guiseppi, G.; Guy,
                         B. J.; Haga, K.; et al.
CORPORATE SOURCE: Unite de Biochemie Microbienne, Inst. Pasteur, Paris,
                         75724, Fr.
SOURCE: Nature (London) (1997), 390(6657), 249-256
                         CODEN: NATUAS; ISSN: 0028-0836
PUBLISHER: Macmillan Magazines
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 49   THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 10   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:729783 CAPLUS
DOCUMENT NUMBER: 126:85324
TITLE: Complete sequence analysis of the genome of the
                         bacterium Mycoplasma pneumoniae
AUTHOR(S):   Himmelreich, Ralf; Hilbert, Helmut; Plagens, Helga;
                         Pirkl, Elsbeth; Li, Bi-Chen; Herrmann, Richard
CORPORATE SOURCE: Zenatrum Mol. Biologie Heidelberg, Univ. Heidelberg,
                         Heidelberg, 69120, Germany
SOURCE: Nucleic Acids Research (1996), 24(22), 4420-4449
                         CODEN: NARHAD; ISSN: 0305-1048

```
PUBLISHER:              Oxford University Press
DOCUMENT TYPE:          Journal
LANGUAGE:               English


L13   ANSWER 3 OF 10   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:       1996:340166  CAPLUS
DOCUMENT NUMBER:        125:52254
TITLE:                  Cloning and expression of a second human natural
                        killer cell granule tryptase, HNK-Tryp-2/granzyme 3
AUTHOR(S):              Sayers, Thomas J.; Lloyd, Andrew R.; McVicar, Daniel
                        W.; O'Connor, Michael D.; Kelly, Janice M.; Carter,
                        Clive R. D.; Wiltrout, Theresa A.; Wiltrout, Robert
                        H.; Smyth, Mark J.
CORPORATE SOURCE:       Biological Carcinogenesis and Development Program,
                        National Cancer Inst., Frederick, MD, USA
SOURCE:                 Journal of Leukocyte Biology (1996), 59(5), 763-768
                        CODEN: JLBIE7; ISSN: 0741-5400
PUBLISHER:              Federation of American Societies for Experimental
                        Biology
DOCUMENT TYPE:          Journal
LANGUAGE:               English


L13   ANSWER 4 OF 10   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:       1995:641402  CAPLUS
DOCUMENT NUMBER:        123:279361
TITLE:                  Cloning of cDNA for human granzyme 3
AUTHOR(S):              Przetak, Melinda M.; Yoast, Sienna; Schmidt, Brian F.
CORPORATE SOURCE:       Khepri Pharmaceuticals Inc., 260 Littlefield Avenue,
                        South San Francisco, CA, 94080, USA
SOURCE:                 FEBS Letters (1995), 364(3), 268-71
                        CODEN: FEBLAL; ISSN: 0014-5793
PUBLISHER:              Elsevier
DOCUMENT TYPE:          Journal
LANGUAGE:               English


L13   ANSWER 5 OF 10   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:       1995:45623  CAPLUS
DOCUMENT NUMBER:        122:73514
TITLE:                  Sequencing and gene expression of hypodermins A, B, C
                        in larval stages of Hypoderma lineatum
AUTHOR(S):              Moire, Nathalie; Bigot, Yves; Periquet, Georges;
                        Boulard, Chantal
CORPORATE SOURCE:       Laboratoire d'Immunopathologie des Maladies
                        Parasitaires, INRA Station de Pathologie Aviaire et de
                        Parasitologie, Nouzilly, 37380, Fr.
SOURCE:                 Molecular and Biochemical Parasitology (1994), 66(2),
                        233-40
                        CODEN: MBIPDP; ISSN: 0166-6851
DOCUMENT TYPE:          Journal
LANGUAGE:               English


L13   ANSWER 6 OF 10   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:       1994:672177  CAPLUS
DOCUMENT NUMBER:        121:272177
TITLE:                  Tryptic fragments of glycocalicin for use in the
                        control of the interaction of von Willebrand factor
                        and platelet glycoprotein Ib
INVENTOR(S):            Ruggeri, Zaverio M.; Ware, Jerry L.
PATENT ASSIGNEE(S):     Scripps Research Institute, USA
SOURCE:                 U.S., 24 pp. Cont.-in-part of U.S. Ser. No. 460,674
                        abandoned
                        CODEN: USXXAM
DOCUMENT TYPE:          Patent
LANGUAGE:               English
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FAMILY ACC. NUM. COUNT:   3
PATENT INFORMATION:

     PATENT NO.            KIND    DATE       APPLICATION NO.          DATE
     ---------------       ----    --------   --------------------     --------
     US 5340727           A       19940823   US 1990-613083           19901114
     CA 2072753           AA      19910705   CA 1991-2072753          19910104
     WO 9109614           A1      19910711   WO 1991-US87             19910104
         W:   AU, CA, JP, US
        RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE
     AU 9177458           A1      19910724   AU 1991-77458            19910104
     EP 524260            A1      19930127   EP 1991-908416           19910104
         R:   AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
     JP 05503708          T2      19930617   JP 1991-507976           19910104
PRIORITY APPLN. INFO.:                       US 1987-121454       B2 19871117
                                             US 1990-460674       B2 19900104
                                             US 1990-613083       A  19901114
                                             WO 1991-US87         A  19910104


L13  ANSWER 7 OF 10   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1994:45956   CAPLUS
DOCUMENT NUMBER:         120:45956
TITLE:                   Bifunctional antithrombotic molecules and
                         antithrombotic polypeptides
INVENTOR(S):             Ruggeri, Zaverio M.; Ware, Jerry L.; De Marco, Luigi;
                         Mazzucato, Mario
PATENT ASSIGNEE(S):      Scripps Research Institute, USA
SOURCE:                  PCT Int. Appl., 106 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.            KIND    DATE       APPLICATION NO.          DATE
     ---------------       ----    --------   --------------------     --------
     WO 9311778           A1      19930624   WO 1992-US10947          19921211
         W:  AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP,
             KR, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, US
        RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
             BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG
     AU 9333266           A1      19930719   AU 1993-33266            19921211
PRIORITY APPLN. INFO.:                       US 1991-806709       A1 19911212
                                             WO 1992-US10947      A  19921211


L13  ANSWER 8 OF 10   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1992:725   CAPLUS
DOCUMENT NUMBER:         116:725
TITLE:                   Glycoprotein Ib α chain (GPIbα) fragments
                         and recombinant DNA expression vectors, and inhibition
                         of von Willebrand factor with the fragments
INVENTOR(S):             Ruggeri, Zaverio M.; Zimmerman, Theodore S.; Houghten,
                         Richard A.; Vicente, Vicente; Mohri, Hiroshi; Ware,
                         Jerry L.
PATENT ASSIGNEE(S):      Scripps Clinic and Research Foundation, USA
SOURCE:                  PCT Int. Appl., 77 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  3
PATENT INFORMATION:

     PATENT NO.            KIND    DATE       APPLICATION NO.          DATE
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            WO 9109614          A1      19910711    WO 1991-US87            19910104
                 W:  AU, CA, JP, US
                 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE
            US 5340727          A       19940823    US 1990-613083          19901114
            AU 9177458          A1      19910724    AU 1991-77458           19910104
            EP 524260           A1      19930127    EP 1991-908416          19910104
                 R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
            JP 05503708         T2      19930617    JP 1991-507976          19910104
      PRIORITY APPLN. INFO.:                        US 1990-460674      A2 19900104
                                                    US 1990-613083      A2 19901114
                                                    US 1987-121454      B2 19871117
                                                    WO 1991-US87        A  19910104
```

L13 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1990:164933 CAPLUS
DOCUMENT NUMBER: 112:164933
TITLE: Proteolytic fragments and synthetic peptides that
                         block the binding of von Willebrand factor to the
                         platelet membrane glycoprotein Ib
INVENTOR(S):   Zimmerman, Theodore S.; Ruggeri, Zaverio M.; Houghten,
                         Richard A.; Vincete, Vincete; Mohri, Hiroshi
PATENT ASSIGNEE(S):   Scripps Clinic and Research Foundation, USA
SOURCE: Eur. Pat. Appl., 10 pp.
                         CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

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      PATENT NO.            KIND   DATE       APPLICATION NO.         DATE
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      EP 317278             A2     19890524   EP 1988-310799          19881116
      EP 317278             A3     19891123
           R:  AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE
      JP 01221394           A2     19890904   JP 1988-291065          19881115
      AU 8825605            A1     19890518   AU 1988-25605           19881116
      AU 626813             B2     19920813
      DK 8806399            A      19890518   DK 1988-6399            19881116
      FI 8805303            A      19890518   FI 1988-5303            19881116
      NO 8805108            A      19890518   NO 1988-5108            19881116
PRIORITY APPLN. INFO.:                        US 1987-121454      A 19871117
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L13 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1987:473319 CAPLUS
DOCUMENT NUMBER: 107:73319
TITLE: Complete amino acid sequence of the collagenase from
                         the insect Hypoderma lineatum
AUTHOR(S):   Lecroisey, Anne; Gilles, Anne Marie; De Wolf, Andre;
                         Keil, Borivoj
CORPORATE SOURCE: Unite Chim. Proteines, Inst. Pasteur, Paris, 75724/15,
                         Fr.
SOURCE: Journal of Biological Chemistry (1987), 262(16),
                         7546-51
                         CODEN: JBCHA3; ISSN: 0021-9258
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d kwic 6

L13 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT   125889-86-3   125889-87-4   125889-88-5   125889-93-2   125889-97-6
     125889-98-7   125889-99-8   125890-00-8   125890-01-9   125890-02-0
     125890-03-1 **126124-79-6**, 1-293-Sialoglycoprotein Ib (human clone

λGPIb2.4 α-subunit protein moiety reduced)   136268-83-2
136293-05-5   158969-03-0, 1-320-Glycocalicin (human)
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
      (amino acid sequence; tryptic fragments of glycocalicin for use in the
      control of the interaction of von Willebrand factor and platelet
      glycoprotein Ib)

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
FULL ESTIMATED COST   15.06   82.36

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DICTIONARY FILE UPDATES: 16 MAY 2006   HIGHEST RN 884586-69-0

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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****
*   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now   *
* available and contains the CA role and document type information. *
*   *
****

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for details.

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predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s 126124-79-6
L14   1 126124-79-6
               (126124-79-6/RN)

=> d his

      (FILE 'HOME' ENTERED AT 08:32:09 ON 17 MAY 2006)

      FILE 'REGISTRY' ENTERED AT 08:32:34 ON 17 MAY 2006
L1   954 S F[SN]R[ILV][ST]S/SQSP
L2   669 S L1 AND SQL=<800
L3   379 S L1 AND SQL=>650
L4   94 S L3 AND L2

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        FILE 'CAPLUS' ENTERED AT 08:34:47 ON 17 MAY 2006
L5           82 S L4
L6            4 S L5 NOT PY>1997


        FILE 'REGISTRY' ENTERED AT 08:36:39 ON 17 MAY 2006
L7            1 S 147258-90-0
L8            1 S L7 AND L4
L9          271 S L1 AND SQL=<300
L10         785 S L1 AND SQL=>230
L11         102 S L10 AND L9


        FILE 'CAPLUS' ENTERED AT 08:41:03 ON 17 MAY 2006
L12          73 S L11
L13          10 S L12 NOT PY>1997


        FILE 'REGISTRY' ENTERED AT 08:42:43 ON 17 MAY 2006
L14           1 S 126124-79-6

=> s l14 and l11
L15           1 L14 AND L11

=> d cn sql seq

L15  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2006 ACS on STN
CN   1-293-Sialoglycoprotein Ib (human clone λGPIb2.4 α-subunit
     protein moiety reduced) (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   1-293-Glycocalicin (human)
CN   1-293-Glycolipoprotein GPIb (human clone λGPIb2.4 α-subunit
     protein moiety reduced)
CN   [1-293] Glycoprotein GPIbα (human)
SQL  293

SEQ      1 HPICEVSKVA SHLEVNCDKR NLTALPPDLP KDTTILHLSE NLLYTFSLAT
        51 LMPYTRLTQL NLDRCELTKL QVDGTLPVLG TLDLSHNQLQ SLPLLGQTLP
       101 ALTVLDVSFN RLTSLPLGAL RGLGELQELY LKGNELKTLP PGLLTPTPKL
                 ==  ====
       151 EKLSLANNNL TELPAGLLNG LENLDTLLLQ ENSLYTIPKG FFGSHLLPFA
       201 FLHGNPWLCN CEILYFRRWL QDNAENVYVW KQGVDVKAMT SNVASVQCDN
       251 SDKFPVYKYP GKGCPTLGDE GDTDLYDYYP EEDTEGDKVR ATR
HITS AT:    109-114


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---Logging off of STN---



=>
Executing the logoff script...


=> LOG Y

COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                      ENTRY     SESSION
FULL ESTIMATED COST                                    8.56       90.92

STN INTERNATIONAL LOGOFF AT 08:45:33 ON 17 MAY 2006
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Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
NEWS 2   "Ask CAS" for self-help around the clock
NEWS 3   JAN 17   Pre-1988 INPI data added to MARPAT
NEWS 4   FEB 21   STN AnaVist, Version 1.1, lets you share your STN AnaVist
                   visualization results
NEWS 5   FEB 22   The IPC thesaurus added to additional patent databases on STN
NEWS 6   FEB 22   Updates in EPFULL; IPC 8 enhancements added
NEWS 7   FEB 27   New STN AnaVist pricing effective March 1, 2006
NEWS 8   MAR 03   Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 9   MAR 22   EMBASE is now updated on a daily basis
NEWS 10   APR 03   New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 11   APR 03   Bibliographic data updates resume; new IPC 8 fields and IPC
                   thesaurus added in PCTFULL
NEWS 12   APR 04   STN AnaVist $500 visualization usage credit offered
NEWS 13   APR 12   LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 14   APR 12   Improved structure highlighting in FQHIT and QHIT display
                   in MARPAT
NEWS 15   APR 12   Derwent World Patents Index to be reloaded and enhanced during
                   second quarter; strategies may be affected
NEWS 16   MAY 10   CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 17   MAY 11   KOREAPAT updates resume

NEWS EXPRESS   FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
               V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
               http://download.cas.org/express/v8.0-Discover/

NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS LOGIN   Welcome Banner and News Items
NEWS IPC8   For general information regarding STN implementation of IPC 8
NEWS X25   X.25 communication option no longer available after June 2006

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will be kept confidential and will help us make future improvements
to STN.

Take survey: http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW

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FILE 'HOME' ENTERED AT 08:17:34 ON 18 MAY 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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DICTIONARY FILE UPDATES: 16 MAY 2006   HIGHEST RN 884586-69-0

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* effective March 20, 2005. A new display format, IDERL, is now   *
* available and contains the CA role and document type information. *
*   *
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on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s CFSRVSSGGS/SQEP
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       164210 SQL=10
L1   1 CFSRVSSGGS/SQEP
              (CFSRVSSGGS/SQEP AND SQL=10)

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=> s CFSRVSSGGS/SQsp
L2              1 CFSRVSSGGS/SQSP

=> s CFSRVSSGGS/SQEFP
                1 CFSRVSSGGS/SQEFP
         164210 SQL=10
L3              1 CFSRVSSGGS/SQEFP
                  (CFSRVSSGGS/SQEFP AND SQL=10)

=> file caplus
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=> s l1
L4              1 L1

=> d ibib
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L4   ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1996   CAPLUS
DOCUMENT NUMBER: 142:87715
TITLE: Protein and cDNA sequences of a novel human
                          calcium-activated chloride channel protein CLCA2 and
                          their use in anti-metastatic therapy
INVENTOR(S):   Pauli, Bendicht U.; Elble, Randolph C.; Gruber, Achim
                          D.
PATENT ASSIGNEE(S):   USA
SOURCE: U.S. Pat. Appl. Publ., 85 pp., Cont.-in-part of U.S.
                          Ser. No. 55,412.
                          CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004265859	A1	20041230	US 2004-779949	20040217
US 6309857	B1	20011030	US 1998-193562	19981117

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      US 2003059861        A1    20030327    US 2001-55412              20011029
      US 6692939           B2    20040217
PRIORITY APPLN. INFO.:                        US 1997-65922P     P  19971117
                                              US 1998-193562     A3 19981117
                                              US 2001-55412      A2 20011029
                                              US 1998-193561     A3 19981117


=> file reg
COST IN U.S. DOLLARS                                 SINCE FILE      TOTAL
                                                       ENTRY        SESSION
FULL ESTIMATED COST                                     1.60         45.68

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DICTIONARY FILE UPDATES:  16 MAY 2006  HIGHEST RN 884586-69-0

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*                                                               *
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* effective March 20, 2005.  A new display format, IDERL, is now   *
* available and contains the CA role and document type information. *
*                                                               *
*****************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s CFSRVSSGGS/SQSFP
L5          54 CFSRVSSGGS/SQSFP

=> s 15 and SQL=<100
      9238278 SQL=<100
L6          15 L5 AND SQL=<100

=> file caplus
COST IN U.S. DOLLARS                                 SINCE FILE      TOTAL
                                                       ENTRY        SESSION
FULL ESTIMATED COST                                    34.09         79.77

FILE 'CAPLUS' ENTERED AT 08:20:45 ON 18 MAY 2006
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FILE COVERS 1907 - 18 May 2006 VOL 144 ISS 21
FILE LAST UPDATED: 16 May 2006 (20060516/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s 16
L7   11 L6

=> s 17 not py>2002
     3849254 PY>2002
L8   1 L7 NOT PY>2002

=> d ibib

L8   ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:895073 CAPLUS
DOCUMENT NUMBER: 137:16521
TITLE: Human polypeptide fragments and their encoding cDNA
                        polynucleotides
INVENTOR(S):   Shimkets, Richard A.; Leach, Martin D.
PATENT ASSIGNEE(S):   Curagen Corporation, USA
SOURCE: PCT Int. Appl., 1037 pp.
                        CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

        PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
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        WO 2001092523   A2   20011206   WO 2001-XD10836   20010529
            W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
                CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
                HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
                LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
                SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
                YU, ZA, ZW
            RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG,
                KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR,
                IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN,
                GW, ML, MR, NE, SN, TD, TG
        WO 2001092523   A2   20011206   WO 2001-US10836   20010529
        WO 2001092523   A3   20020906
            W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
                CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
                HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
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                 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.:                      US 2000-206132P    P  20000530
                                            US 2000-228716P    P  20000829
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=> s ibib kwic
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          46 KWIC
L9          0 IBIB KWIC
              (IBIB(W)KWIC)


=> d l8 ibib kwic

L8   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        2001:895073  CAPLUS
DOCUMENT NUMBER:         137:16521
TITLE:                   Human polypeptide fragments and their encoding cDNA
                         polynucleotides
INVENTOR(S):             Shimkets, Richard A.; Leach, Martin D.
PATENT ASSIGNEE(S):      Curagen Corporation, USA
SOURCE:                  PCT Int. Appl., 1037 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  5
PATENT INFORMATION:


     PATENT NO.              KIND   DATE      APPLICATION NO.          DATE
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             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG,
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     WO 2001092523           A3     20020906
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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             HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
             LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
             RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
             VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.:                      US 2000-206132P    P  20000530
                                            US 2000-228716P    P  20000829
                                            WO 2001-US10836    W  20010529
IT   434520-84-0P   434520-88-4P   434520-91-9P   434520-94-2P   434520-98-6P
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        434523-17-8P    434523-20-3P    434523-24-7P    434523-27-0P    434523-31-6P
        434523-34-9P    434523-37-2P    434523-41-8P    434523-44-1P    434523-48-5P
        434523-51-0P    434523-53-2P    434523-55-4P    434523-57-6P    434523-59-8P
        434523-61-2P    434523-63-4P    434523-65-6P    434523-67-8P    434523-69-0P
        434523-71-4P    434523-73-6P    434523-75-8P    434523-77-0P    434523-79-2P
        434523-81-6P    434523-83-8P    434523-85-0P    434523-87-2P    434523-89-4P
        434523-91-8P    434523-93-0P    434523-95-2P
```
RL: ANT (Analyte); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
  (amino acid sequence; human polypeptide fragments and their encoding cDNA polynucleotides)

=> file reg

```
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                                 8.92         88.69
```

FILE 'REGISTRY' ENTERED AT 08:21:22 ON 18 MAY 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 16 MAY 2006   HIGHEST RN 884586-69-0
DICTIONARY FILE UPDATES: 16 MAY 2006   HIGHEST RN 884586-69-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

```
*********************************************************************
*                                                                   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************
```

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

```
=> FIL REGISTRY

COST IN U.S. DOLLARS                                 SINCE FILE        TOTAL
                                                       ENTRY          SESSION
FULL ESTIMATED COST                                     0.44           89.13

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STRUCTURE FILE UPDATES:    16 MAY 2006   HIGHEST RN 884586-69-0
DICTIONARY FILE UPDATES:   16 MAY 2006   HIGHEST RN 884586-69-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

************************************************************************
*                                                                      *
* The CA roles and document type information have been removed from    *
* the IDE default display format and the ED field has been added,      *
* effective March 20, 2005.  A new display format, IDERL, is now       *
* available and contains the CA role and document type information.    *
*                                                                      *
************************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> S 434521-45-6/RN

L10            1 434521-45-6/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L10 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):n

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF  FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>
```

```
=> d his

      (FILE 'HOME' ENTERED AT 08:17:34 ON 18 MAY 2006)


      FILE 'REGISTRY' ENTERED AT 08:17:44 ON 18 MAY 2006
L1            1 S CFSRVSSGGS/SQEP
L2            1 S CFSRVSSGGS/SQSP
L3            1 S CFSRVSSGGS/SQEFP


      FILE 'CAPLUS' ENTERED AT 08:19:26 ON 18 MAY 2006
L4            1 S L1


      FILE 'REGISTRY' ENTERED AT 08:19:50 ON 18 MAY 2006
L5           54 S CFSRVSSGGS/SQSFP
L6           15 S L5 AND SQL=<100


      FILE 'CAPLUS' ENTERED AT 08:20:45 ON 18 MAY 2006
L7           11 S L6
L8            1 S L7 NOT PY>2002
L9            0 S IBIB KWIC


      FILE 'REGISTRY' ENTERED AT 08:21:22 ON 18 MAY 2006


      FILE 'REGISTRY' ENTERED AT 08:21:35 ON 18 MAY 2006
L10           1 S 434521-45-6/RN
                SET NOTICE 1 DISPLAY
                SET NOTICE LOGIN DISPLAY

=> s l6 and l10
L11           1 L6 AND L10

=> d sql seq

L11  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2006 ACS on STN
SQL  70

SEQ      1 MAVVTYAGSR VCTQSPQPMC YTKVTPGTSR TTLFMWLQVG QRWEKQSTFA
                              = =========
        51 SHSDVWVTYE RPQLGDISSR
HITS AT:    20-29


=>

---Logging off of STN---


=>
Executing the logoff script...


=> LOG Y

COST IN U.S. DOLLARS                           SINCE FILE      TOTAL
                                                 ENTRY        SESSION
FULL ESTIMATED COST                              6.28          95.41

STN INTERNATIONAL LOGOFF AT 08:22:59 ON 18 MAY 2006
```

```
ACCESSION NUMBER:        1994:672177  CAPLUS
DOCUMENT NUMBER:         121:272177
TITLE:                   Tryptic fragments of glycocalicin for use in the
                         control of the interaction of von Willebrand factor
                         and platelet glycoprotein Ib
INVENTOR(S):             Ruggeri, Zaverio M.; Ware, Jerry L.
PATENT ASSIGNEE(S):      Scripps Research Institute, USA
SOURCE:                  U.S., 24 pp. Cont.-in-part of U.S. Ser. No. 460,674
                         abandoned
                         CODEN: USXXAM
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  3
PATENT INFORMATION:
```

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5340727	A	19940823	US 1990-613083	19901114
CA 2072753	AA	19910705	CA 1991-2072753	19910104
WO 9109614	A1	19910711	WO 1991-US87	19910104

```
        W:  AU, CA, JP, US
        RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE
```

| AU 9177458 | A1 | 19910724 | AU 1991-77458 | 19910104 |
| EP 524260 | A1 | 19930127 | EP 1991-908416 | 19910104 |

```
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
```

| JP 05503708 | T2 | 19930617 | JP 1991-507976 | | 19910104 |

PRIORITY APPLN. INFO.:			US 1987-121454	B2	19871117
			US 1990-460674	B2	19900104
			US 1990-613083	A	19901114
			WO 1991-US87	A	19910104

CN   1-293-Sialoglycoprotein Ib (human clone λGPIb2.4 α-subunit
     protein moiety reduced) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN   1-293-Glycocalicin (human)
CN   1-293-Glycolipoprotein GPIb (human clone λGPIb2.4 α-subunit
     protein moiety reduced)
CN   [1-293] Glycoprotein GPIbα (human)
SQL **293**

SEQ   1 HPICEVSKVA SHLEVNCDKR NLTALPPDLP KDTTILHLSE NLLYTFSLAT
        51 LMPYTRLTQL NLDRCELTKL QVDGTLPVLG TLDLSHNQLQ SLPLLGQTLP
       101 ALTVLDVSFN RLTSLPLGAL RGLGELQELY LKGNELKTLP PGLLTPTPKL
               == ====
       151 EKLSLANNNL TELPAGLLNG LENLDTLLLQ ENSLYTIPKG FFGSHLLPFA
       201 FLHGNPWLCN CEILYFRRWL QDNAENVYVW KQGVDVKAMT SNVASVQCDN
       251 SDKFPVYKYP GKGCPTLGDE GDTDLYDYYP EEDTEGDKVR ATR
HITS AT: 109-114

EnCor Biotechnology Inc.
12085 Research Drive
Alachua
Florida 32615
Tel (386) 462 5006
Fax (386) 462 0875

En$Cor Biotec

Calculate the molecular weight of a protein sequence:

It is often important to know the molecular weight and approximate charge of a peptide or protein s program will take a protein sequence and calculate the molecular weight and approximate charge. T ignore numbers, spaces, punctuation or characters like B or Z which do not correspond to one of the encoded amino acids. This version can also deal with FASTA format sequences (see here for info on it ignores any line of text which is started by a ">" character. The program can also process multipli entries, only counting the sequence data and ignoring the stuff following the ">". It was actually qu research how to make this program. The atomic weights for each atom used are from the Internatic Applied Chemistry (IUPAC) web site here. This data gives average atomic weights based on average the planet earth, which can of course vary somewhat. The values, in Daltons, are H=1.00794, C=12 O=15.9994 and S=32.065. For phosphoproteins P=30.973761. You'll find that the results you'll get are more or less but not quite the same as what you will get from other programs; If you just want to get an idea of where to look for the protein in a gel, any of these programs will be plenty accurat the days of mass spectroscopy it can be quite important to get very accurate results. The small diffe different programs are due to several factors. One is that other programs may use slightly different average atomic weight of each atom, using older IUPAC numbers or simply rounding off the atomic important, the molecular weight of a protein is a function of the ionization state; at neutral pH, aspa have both lost the vast majority of their hydrogens, so proteins containing these amino acids loose Daltons per glutamic and aspartic. Similarly at neutral pH, the vast majority of lysine and arginine r additional hydrogen, they are protonated, adding 1.00794 for each of these two amino acids. Finally protonated at neutral pH, but only to a limited extent, roughly 50% at pH=7.0. In this program we hydrogens per Histidine residue, halfway between the 7 in deprotonated histidine and the 8 of the p course the differences due protonation and deprotonation are relatively small, and for many protein level of protonation of lysine, arginine and histidine is more or less balanced by the level of deproto aspartic acids. Postranslational modifications such as phosphorylation and glycosylation have a muc protein molecular weight. At least we are telling you exactly how our program works...

Please type or paste your protein sequence in box below, can be upper or lowercase, program will r

```
HPICEVSKVA SHLEVNCDKR NLTALPPDLP KDTTILHLSE NLLYTFSLAT
        51 LMPYTRLTQL NLDRCELTKL QVDGTLPVLG TLDLSHNQLQ SLPLLGQTLP
       101 ALTVLDVSFN RLTSLPLGAL RGLGELQELY LKGNELKTLP PGLLTPTPKL
              ==  ====
       151 EKLSLANNNL TELPAGLLNG LENLDTLLLQ ENSLYTIPKG FFGSHLLPFA
       201 FLHGNPWLCN CEILYFRRWL QDNAENVYVW KQGVDVKAMT SNVASVQCDN
```

| Press Here To Calculate |

There are 293 Amino acids, and MW is 32629.92 Daltons, or 32.63 KiloDaltor

                                          To go to the EnCor homepage pre